

Rat Connexin 26 ELISA Kit | CX26 elisa kit

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CATALOG #
AAA100208

REACTIVITY
Rat

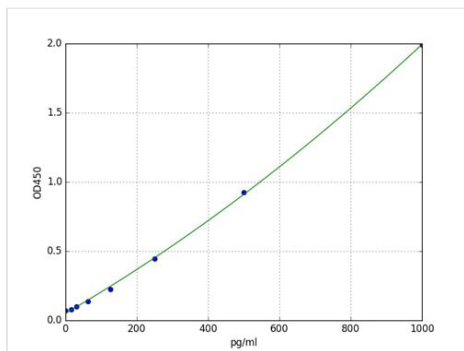
PRODUCT SYNONYMS

Connexin 26; Rat Connexin 26 ELISA Kit; CX26/GJB2/Connexin-26/DFNB1/DFNA3A/Gap junction beta 2 protein; CX26 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	226
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat CX26 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.010	0.107	0.218	0.478	0.832	1.333	1.860	2.331

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX26 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat CX26 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat CX26 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat CX26 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CX26 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

19401867

NCBI GeneID	2706
Molecular Weight	26,215 Da
NCBI Official Full Name	connexin 26
NCBI Official Synonym Full Names	gap junction protein beta 2
NCBI Official Symbol	GJB2
NCBI Official Synonym Symbols	HID; KID; PPK; CX26; DFNA3; DFNB1; NSRD1; DFNA3A; DFNB1A
NCBI Protein Information	gap junction beta-2 protein
UniProt Protein Name	Gap junction beta-2 protein
UniProt Gene Name	GJB2
UniProt Synonym Gene Names	Cx26
UniProt Entry Name	CXB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cx26-rat-elisa-kits/connexin-26/100208>